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7/22/04

Application No. : 10/812,016  
Applicant : KIM et al.  
Filed : March 30, 2004  
TC/A.U. : 3747  
Examiner :  
Confirmation No. :

Docket No. : 1110-316  
Customer No. : 6449

Attn: LICENSING AND REVIEW  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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**RESPONSE TO FORM PTOL-456 NOTICE**

Sir:

In response to a Form PTOL-456 Notice, submitted herewith are Declarations signed by all of inventors, indicating that the invention was not made under nor is there any relationship of the invention to performance of any work under any contract of NASA.

Respectfully submitted,

By

  
George R. Repper  
Attorney for Applicants  
Registration No. 31,414  
ROTHWELL, FIGG, ERNST & MANBECK, P.C.  
Suite 800, 1425 K Street, N.W.  
Washington, D.C. 20005  
Telephone: (202)783-6040

E-01-01-D  
1110-316

### DECLARATION

We, Charlie Chang-Won KIM, a citizen of the Republic of Korea, residing at 59 Cobblestone Court, Martinsburg, West Virginia 25401, Timothy Andrew SUDER, a citizen of the United States, residing at 7000 Warm Springs Road, Greencastle, Pennsylvania 17225, Steven Stuart TREVITZ, a citizen of the United States, residing at 8685 Orchard Drive, Mercersburg, Pennsylvania 17236, and Jeffrey Scott ZSOLDOS, a citizen of the United States, residing at 2136 Point of Rocks Road, Knoxville, Maryland 21758, declare:

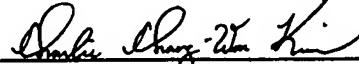
That we made and conceived the invention described and claimed in patent application Serial No 10/812,016, filed in the United States of America on March 30, 2004, titled TURBO-CHARGED INTERNAL COMBUSTION ENGINE WITH IN-CYLINDER EGR AND INJECTION RATE SHAPING;

That we made and conceived this invention while employed by Mack Trucks, Inc. that the invention is related to the work we were employed to perform and was made within the scope of our employment duties; that the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of Mack Trucks, Inc.;

That to the best of our knowledge and belief the invention was not made (conceived or first actually reduced to practice) under nor is there any relationship of the invention to the performance of any work under any contract of the National Aeronautics and Space Administration.

The undersigned inventors declare further that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

7/15/04  
Date

  
Charlie Chang-Won KIM

\_\_\_\_\_  
Date

\_\_\_\_\_  
Timothy Andrew SUDER

\_\_\_\_\_  
Date

\_\_\_\_\_  
Steven Stuart TREVITZ

\_\_\_\_\_  
Date

\_\_\_\_\_  
Jeffrey Scott ZSOLDOS

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Date

13-July-2004

Date

15-July-2004

Date

15-July-2004

Date

Charlie Chang-Won KIM

Timothy Andrew SUDER

Timothy Andrew SUDER

Steven Stuart TREVITZ

Steven Stuart TREVITZ

Jeffrey Scott ZSOLDOS

Jeffrey Scott ZSOLDOS